

Table 2
Annual Respondent Burden and Cost - Certification Program
Nonroad CI and Heavy-Duty On-Highway Engines

Information Collection Activity	Hours and cost per application											Total hours and cost		
	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Test Cell Operator@\$45.40/hr	Transportation @ \$37.38/hr	Clerical@\$31.06/hr	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Applications/respondent (2)	Number of Respon.	Total hr/yr	Total Cost/yr
Review of regs and guidance document	16	9	10	4	0	1	40	3,202	0	0	1.0	55	2,200	176,120
Developing eng families groups	5	1	0	0	0	1	7	449	0	0	1.0	55	385	24,718
Developing deterioration factors	100	5	0	38	2	3	148	8,806	0	0	5.8	48	41,203	2,451,574
Testing/Gathering emission data on test engines	30	14	0	22	2	14	82	4,794	0	0	8.1	30	19,926	1,165,000
Laboratory maintenance(1)	0	0	0	0	0	0	0	0	0	62,000	1.0	30	0	1,860,000
Test Cost (annualized)(1)	0	0	0	0	0	0	0	0	0	3,333	3.0	18	0	179,982
Analyze data to determine compliance	11	6	1	0	0	1	19	1,429	0	0	6.1	48	5,563	418,335
Preparing and submitting certification application and fee filing form	14	1	0	0	0	4	19	1,073	0	4	13.7	55	13,940	811,248
Preparing and submitting "carry over" applications	2	0	0	0	0	2	4	191	0	2	8.0	55	1,760	84,779
Fee HD Federal (3)	0	0	0	0	0	0	0	0	0	21,578	1.7	55	0	2,017,543
Fee HD California only(3)	0	0	0	0	0	0	0	0	0	826	1.0	2	0	1,652
Fee Nonroad CI (3)	0	0	0	0	0	0	0	0	0	1,822	11.9	55	0	1,192,499
Preparing and supporting running changes	7	5	1	3	0	2	18	1,242	0	6	7.6	14	1,915	132,779
Store, file and maintain records	3	1	1	0	0	7	12	616	0	5	13.7	55	9,042	467,969
Total per respondent	188	42	13	67	4	35	349	21,802	0	varies	varies	55	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$5,724,222	0	\$5,259,976	varies	55	95,934	\$10,984,198

(1) See section 6(b)ii for details.

(3) See section 6(b)(ii) for details.

(2) See section 6(d) for details.

Table 3
Heavy-Duty Evaporative Emission Certification

Information Collection Activity	Hours and cost per application											Total hours and cost		
	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Test Cell Operator@\$45.40/hr	Transportation @ \$37.38/hr	Clerical@ \$31.06/hr	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Applications/respondent (2)	Number of Respon.	Total hr/yr	Total Cost/yr
Review of regs and guidance document	5	0	2	4	0	0	11	721	0	0	1.0	5	55	3,603
Developing eng families groups	1	0	0	0	0	0	1	64	0	0	1.0	5	5	321
Testing/Gathering emission data on test engines (3)	16	1	0	100	2	1	120	5,771	0	200	3.0	3	1,224	60,907
Analyze data to determine compliance	1	1	0	0	0	0	2	161	0	0	3.0	3	20	1,645
Preparing and submitting evap certification application and fee filing form	1	1	0	0	0	1	3	144	0	10	5.6	5	70	4,307
Preparing and submitting evap "carry over" applications	0	0	0	0	0	2	2	62	0	2	3.6	5	36	1,154
Fee (4)	0	0	0	0	0	0	0	0	0	826	5.6	5	0	23,128
Preparing and supporting running changes	1	0	0	0	0	0	1	64	0	1	2.0	2	4	261
Store, file and maintain records	0	0	0	0	0	1	1	31	0	2	5.6	5	28	926
Total per respondent	25	3	2	104	2	5	141	7,019	0	varies	varies	5	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$70,708	0	\$25,544	varies	5	1,442	\$96,252

(1) See section 6(b)ii for details.

(2) See section 6(d) for details.

(5) Currently, manufacturers applying for evap certification have their testing done in in-house laboratories.

(4) See section 6(b)(ii) for details.

Table 4
Annual Respondent Burden and Cost - Average, Trading and Banking Program
Non-road and Heavy-duty On-highway Engine Manufacturers

Information Collection Activity	Hours and cost per application								Total hours and cost		
	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Clerical@ \$31.06/hr	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost (1)	Number of Respon.	Total hr/yr	Total Cost/yr
Precertification activities/Submit info in cert application	60	2	2	0	64	4,268	0	20	12	768	51,461
Gather Information regarding point of first retail sale (2)	160	3	1	24	188	11,430	0	50	12	2,256	137,760
Develop and submit end-of-year-report	35	2	2	4	43	2,786	0	20	12	516	33,668
Develop and submit final reports	20	1	1	4	26	1,616	0	10	12	312	19,508
Recordkeeping (2)	24		4		28	1,978	0	10	12	336	23,857
Total	299	8	10	32	349	22,078	0	110	N/A	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	\$264,933	0	\$1,320	12	4,188	\$266,253

(1) See section 6(b)ii for details.

(2) Numbers reflect one activity done four times a year.

Table 5
Annual Respondent Burden and Cost - Marine CI Engine Certification

Information Collection Activity	Hours and cost per application											Total hours and cost		
	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Test Cell Operator@\$45.40/hr	Transportation @ \$37.38/hr	Clerical@ \$31.06/hr	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Apps/respon(2)	Number of Respon.	Total hr/yr	Total Cost/yr
Review of regs and guidance document	30	12	12	8	0	1	63	4,792	0	0	1.0	13	819	62,299
Developing eng families groups	6	1	0	0	0	1	8	514	0	0	1.0	13	104	6,678
Developing deterioration factors	24	7	0	45	2	3	81	4,432	0	0	7.7	13	8,108	443,681
Testing/Gathering emission data on test engines in-house	30	14	0	44	2	14	104	5,793	0	300	10.4	9	9,734	570,309
Test Cost (Contracted out - annualized)(1)	0	0	0	0	0	0	0	0	0	500	1.3	4	0	2,500
Test Cost of class 3 engine family(Contracted out - annualized)(1)	0	0	0	0	0	0	0	0	0	6,667	1.0	1	0	6,667
Analyze data to determine compliance	15	6	1	0	0	1	23	1,686	0	0	7.7	13	2,302	168,755
Preparing and submitting certification application and fee filing form	16	1	0	0	0	4	21	1,201	0	4	11.5	13	3,065	180,177
Preparing and submitting "carry over" applications	1	0	0	0	0	2	3	126	0	2	3.8	13	148	6,343
Fee (3)	0	0	0	0	0	0	0	0	0	826	11.5	13	0	123,487
Preparing and supporting running changes	9	5	1	4	0	2	21	1,416	0	6	35.0	6	4,410	298,595
Store, file and maintain records	3	1	1	0	0	7	12	616	0	5	11.5	13	1,794	92,848
Total per respondent	134	47	15	101	4	35	336	20,577	0	varies	varies	13	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$1,798,901	0	\$163,438	varies	13	30,485	\$1,962,339

(1) See section 6(b)ii for details.

(3) See section 6(b)(ii) for details.

(2) See section 6(d) for details.

Table 6
Annual Respondent Burden and Cost - Average, Trading and Banking Program
Marine CI Engine Manufacturers

Information Collection Activity	Hours and cost per application								Total hours and cost		
	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Clerical@ \$31.06/hr	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost (1)	Number of Respon.	Total hr/yr	Total Cost/yr
Precertification activities/Submit info in cert application	80	3	5	0	88	5,977	0	20	5	440	29,987
Gather Information regarding point of first retail sale (2)	175	4	1	24	204	12,491	0	50	5	1,020	62,706
Develop and submit end-of-year-report	40	2	3	4	49	3,216	0	20	5	245	16,179
Develop and submit final reports	30	1	1	4	36	2,258	0	10	5	180	11,342
Recordkeeping (2)	24	0	4		28	1,978	0	10	5	140	9,940
Total	349	10	14	32	405	25,921	0	110	N/A	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	\$129,605	0	\$550	5	2,025	\$130,155

(1) See section 6(b)ii for details.

(2) Numbers reflect one activity done four times a year.

Table 7
Annual Respondent Burden and Cost - Marine CI Production Line Testing Program

Information Collection Activity	Hours and cost per engine family											Total hours and cost			
	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Clerical @ \$31.06/hr	Test Cell Operator @ \$45.40/hr	Assembler @ \$33.60/hr	Transport @ \$37.88/hr	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Frequency (2)	Number of Respon.	Total hr/yr	Total Cost/yr
Review of instructions and regulations	57	5	8	0	0	0	0	70	5,019	0	0	1	9	630	45175.32
Training	8	0	0	0	1	0	0	9	560	0	30	1	9	81	5306.76
Projecting testing needs and planning test schedules	11	1	0	1	0	0	0	13	835	0	5	1	9	117	7560.9
Engine selection and transport	4	0	0	0	1	1	1	7	374	0	1	1	9	63	3370.5
Engine inspection	1	0	0	0	6	0	0	7	337	0	0	4	9	252	12120.48
Testing (In-house) (3)	8	0	0	0	12	2	0	22	1,126	0	100	17	9	3366	187614.72
Data entry and analysis	8	0	0	1	0	0	0	9	545	0	5	4	9	324	19810.8
Other tasks (test equipment calibration, engine repair, etc.)	1	0	0	0	93	0	0	94	4,286	0	5	1	9	846	38623.32
Preparing and submitting report	8	1	1	2	0	0	0	12	782	0	5	4	9	432	28337.76
Store, file and maintain records	2	0	0	3	0	1	0	6	255	0	2	4	9	216	9264.24
Total per manufacturer	108	7	9	7	113	4	1	249	14,120	0	varies	varies	N/A	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$341,084	0	\$16,101	N/A	9	6327	\$357,185

(1) Includes diskettes, photocopying, postage expenses, phone calls, and testing costs, annualized. See section 6(b)(iii) for details.

(2) 1 = one time tasks; 4 = tasks carried out quarterly; other # = number of tests. Refer to Section 6(d) for further detail.

(3) Since small-volume manufacturers are exempt from PLT requirements, all testing is done in in-house laboratories.

Table 8
Annual Respondent Burden and Cost - Selective Enforcement Auditing Program

Information Collection Activity	Hours and cost per application											Total hours and cost			
	Engineer @64.28/hr	Manager @ \$96.96/hr	Legal @ \$108.84/hr	Clerical@ \$31.06/hr	Test Cell Operator @ \$45.40/hr	Assembler @ \$33.60/hr	Transport @ \$37.88/hr	Respon. hr/yr	Labor Cost/yr	Capital Startup Cost	O & M Cost(1)	Frequency (2)	Number of Respon. (3)	Total hr/yr	Total Cost/yr
Provide Pre-audit information	5	2	0	1	0	0	0	8	546	0	0	1	10	80	5,464
Review of instructions and regulations	7	1	1	0	0	0	0	9	656	0	0	1	7	63	4,590
Training	3	1	0	0	1	0	0	5	335	0	30	1	7	35	2,556
Plan activities	16	0	0	0	0	0	0	16	1,028	0	30	1	7	112	7,409
Testing In-house	8	0	0	0	38	2	2	50	2,381	0	150	10	5	2,500	126,570
Testing Contract Out	0	0	0	0	0	0	0	0	0	0	500	10	2	0	10,000
Data entry and analysis	22	0	0	5	2	0	0	29	1,660	0	1	1	7	203	11,629
Preparing and submitting report	18	1	1	1	0	0	0	21	1,394	0	3	1	7	147	9,778
Store, file and maintain records	8	0	0	1	0	0	0	9	545	0	1	1	7	63	3,824
Total per manufacturer	95	5	2	8	79	2	2	varies	varies	0	varies	varies	N/A	N/A	N/A
Total for the industry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$163,866	0	\$17,955	N/A	10	3,203	\$181,821

(1) Includes diskettes, photocopying, postage expenses, phone calls, and testing costs, annualized.

See section 6(b)(iii) for details.

(2) 1 = one time tasks; other # = average number of tests performed/eng manufacturer/model year

Refer to Section 6(d) for further detail.

(3) EPA estimates it will audit 12 manufacturers over the next 3 years (4 annually). It might, however, request pre-audit information from approximately 7 manufacturers each year.

Table 10
Annual Agency Burden and Cost - Certification Program
On-highway, Nonroad CI and Marine CI

Information Collection Activity	Hours and cost per application									Total hours and cost			
	Engineer @ \$62.66/hr	Senior @ \$17.65	Attorney @ \$66.34/hr	Manager @ \$76.85/hr	SES-1 @ 135.15	Respon. hr/yr	Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Applications /respon	Number of Respon.	Total hr/yr	Total cost/yr
Review of regs and standards	80	20	15	3	1	119	6,727	0	2	1	68	8,092	457,545
Entering data from applications into database	1	2	0	0	0	3	94	0	0	13	68	2,431	82,696
Reviewing applications, asking questions	10	3	0	0	0	13	680	0	10	13	68	11,492	609,562
Verifying that the correct engines have been tested	1	1	0	0	0	1	40	0	0	13	68	884	35,497
Answering manufacturers' questions	6	3	3	2	1	15	908	0	10	13	68	12,818	811,472
Issuing appropriate certificates	1	1	0	0	0	2	71	0	2	13	68	1,326	64,961
Storing data	2	2	0	0	0	4	145	0	8	13	68	3,315	135,212
Answering questions from the public	10	5	3	3	1	22	1,280	0	10	13	68	19,448	1,139,980
Upgrading and maintaining the database	80	80	0	10	2	172	7,464	0	5	1	1	172	7,469
Handling requests for confidentiality	1	1	2	1	1	6	425	0	3	13	68	5,304	378,343
Making information available to the public	40	16	0	1	1	58	3,001	0	5	1	1	58	3,006
Total	231	132	23	20	7	414	20,833	0	55	N/A	N/A	N/A	N/A
Total for the agency	N/A	N/A	N/A	N/A	N/A	N/A	\$3,687,585	0	\$38,158	13	68	65,340	\$3,725,743

(1) Includes photocopying, postage expenses and calls.

Table 11
Annual Agency Burden and Cost - Average, Banking and Trading Program
On-highway, Nonroad CI and Marine CI

Information Collection Activity	Hours and cost per application					Total hours and cost		
	Engineer @\$62.66/hr	Respon. hr/yr	Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Number of Respon.	Total hr/yr	Total cost/yr
Review regulations	16	16	1,003	0	5	1	16	1,008
Answer respondent questions	5	5	313	0	5	17	85	5,411
Review submitted reports	5	5	313	0	1	17	85	5,343
Enter data from reports into database	2	2	125	0	1	17	34	2,147
Audit reports and records	5	5	313	0	0	17	85	5,326
Recordkeeping	1	1	63	0	2	17	17	1,099
Total per manufacturer	34	34	2,130	0	14	N/A	N/A	N/A
Total for the industry	N/A	N/A	\$20,177	0	\$158	17	322	\$20,335

(1) Includes photocopying and postage expenses.

Table 12
Annual Agency Burden and Cost - Marine CI Production Line Testing Program

Information Collection Activity	Hours and cost per engine family										
	Engineer @ \$62.66/hr	Attorney @ \$66.34/hr	Manager @ \$76.85/hr	Agency hr/yr	Agency Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Frequency	Number of Respon.	Total hr/yr	Total cost/yr
Review regulations	7	3	1	11	714	0	1	1	1	11	715
Answer respondent questions	5	1	2	8	533	0	5	1	9	72	4,845
Review reports for format and completeness	1	0	0	1	63	0	0	4	9	36	2,256
Analyze reports	4	0	0	4	251	0	0	4	9	144	9,023
Request additional information, if needed	2	0	1	3	202	0	5	4	9	108	7,458
Enter data from reports into database and file submittals	2	0	0	2	125	0	1	4	9	72	4,548
Maintain/ enhance database	25	0	1	26	1,643	0	0	1	1	26	1,643
Post data in Internet	10	0	0	10	627	0	0	1	1	10	627
Analyze requests for confidentiality	4	3	1	8	527	0	1	1	9	72	4,748
Audit reports and records	5	0	1	6	390	0	3	1	9	54	3,538
Total per participating engine family	65	7	7	79	5,075	0	16	varies	9	N/A	N/A
Total for the agency	N/A	N/A	N/A	N/A	\$39,103	0	\$298	N/A	9	605	\$39,401

(1) Includes photocopying, postage expenses and calls.

Table 13
Annual Agency Burden and Cost - Selective Enforcement Auditing Program
On-highway, Nonroad CI and Marine CI

Information Collection Activity	Hours and cost per respondent								Total hours and cost		
	Division Director SES @ \$135.15/hr	Group Manager GS 15 @ \$76.85	Engineer @ \$62.66/hr	Attorney @ \$66.34/hr	Agency hr/yr	Labor cost/yr	Capital Startup Cost	O & M Cost (1)	Number of Respon.	Total hr/yr	Total cost/yr
Review Regulations	1	3	14	2	20	1,376	0	5	1	20	1,381
Answer respondent questions	0	5	14	1	20	1,328	0	10	10	200	13,378
Select candidates	0	1	10	0	11	703	0	3	1	11	706
Request pre-audit data	0	1	6	1	8	519	0	5	10	80	5,242
Final selection of manufacturers to be audited	0.5	0.5	2	0	3	231	0	0	1	3	231
Issue test orders	1	2	4	1	8	606	0	5	7	56	4,276
Perform audit/witness testing	0	0	80	0	80	5,013	0	5,000	7	560	70,090
Enter data from reports into database	0	0	2	0	2	125	0	0	7	14	877
Review reports for completeness and file	0	0	2	0	2	125	0	0	7	14	877
Analyze reports	0	0	8	0	8	501	0	0	7	56	3,509
Total per manufacturer	2.5	12.5	142	5	162	10,528	0	5,028	varies	N/A	N/A
Total for the agency	N/A	N/A	N/A	N/A	N/A	65,374	0	\$35,193	10	1,014	100,567

(1) Includes cost of traveling to testing site, photocopying, postage expenses and calls.